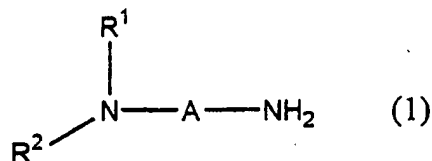


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.-12. Canceled.

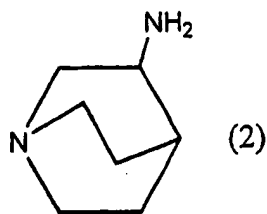
13. (Original) A catalyst for production of a polyurethane resin, which contains an amine compound of the following formula (1):



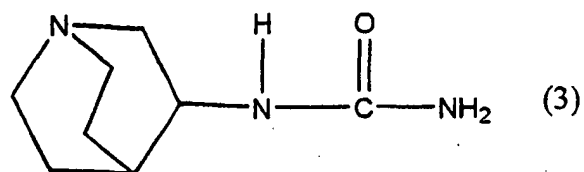
wherein each of R^1 and R^2 which are independent of each other, is a C_{1-4} alkyl group, and A is a C_{5-10} straight chain or branched chain alkylene group.

14. (Original) The catalyst for production of a polyurethane resin according to Claim 13, wherein the the amine compound of the formula (1) is an amine compound selected from the group consisting of N, N-dimethylpentamethylenediamine, N, N-dimethylhexamethylenediamine, N, N-dimethyloctamethylenediamine and N, N-dimethyldecamethylenediamine.

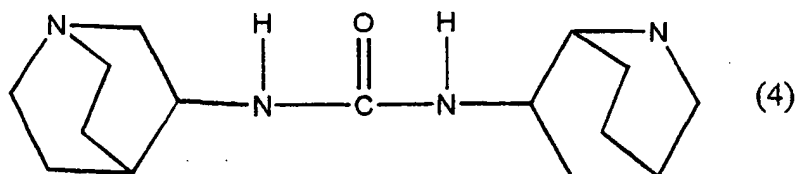
15. (Original) A catalyst for production of a polyurethane resin, which contains an amine compound of the following formula (2):



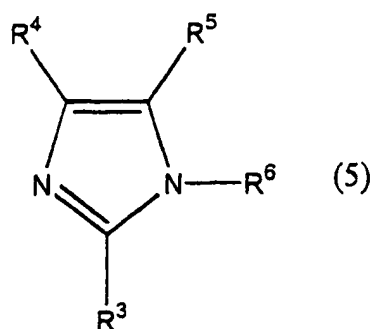
16. (Original) A catalyst for production of a polyurethane resin, which contains an amine compound of the following formula (3):



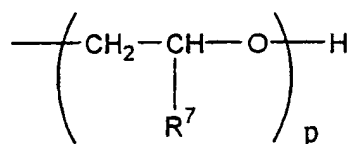
17. (Original) The catalyst for production of a polyurethane resin according to Claim 16, which further contains an amine compound of the following formula (4):



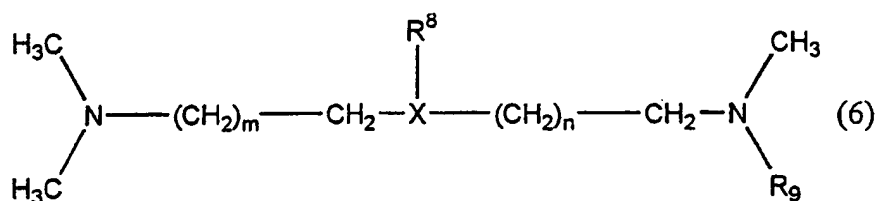
18. (Original) A catalyst for production of a polyurethane resin, which contains a compound of the following formula (5):



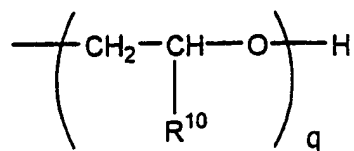
wherein each of R³, R⁴ and R⁵ which are independent of one another, is a hydrogen atom or a C₁₋₄ alkyl group, R⁶ is a hydrogen atom, a functional group of the following formula:



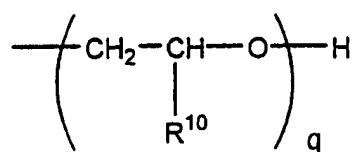
wherein R⁷ is a hydrogen atom or a C₁₋₄ alkyl group, and p is an integer of from 1 to 3, or a 3-aminopropyl group; and an amine compound of the following formula (6):



wherein X is a nitrogen atom or an oxygen atom, each of R⁸ and R⁹ which are independent of each other, is a methyl group or a functional group of the following formula:



wherein R¹⁰ is a hydrogen atom or a C₁₋₄ alkyl group and q is an integer of from 1 to 3, and each of m and n is an integer of from 1 to 2, provided that when X is a nitrogen atom, R⁸ and R⁹ are not simultaneously methyl groups, and that when X is an oxygen atom, R⁹ is a functional group of the following formula:



wherein R¹⁰ is a hydrogen atom or a C₁₋₄ alkyl group, and q is an integer of from 1 to 3.

19. (Original) The catalyst for production of a polyurethane resin according to Claim 18, wherein the amine compound of the formula (5) is an amine compound selected from the group consisting of 1-(2'-hydroxypropyl)-imidazol, 1-(2'-hydroxypropyl)-2-methylimidazol, 1-(2'-hydroxyethyl)-imidazol, 1-(2'-hydroxyethyl)-2-methylimidazol, 1-(3'-aminopropyl)-imidazol and 1-(3'-aminopropyl)-2-methylimidazol.

20. (Original) The catalyst for production of a polyurethane resin according to Claim 18, wherein the amine compound of the formula (6) is an amine compound selected from the group consisting of N-(2-hydroxyethyl)-N,N',N'',N'''-

tetramethyldiethylenetriamine, N'-(2-hydroxyethyl)-N,N,N'',N''-

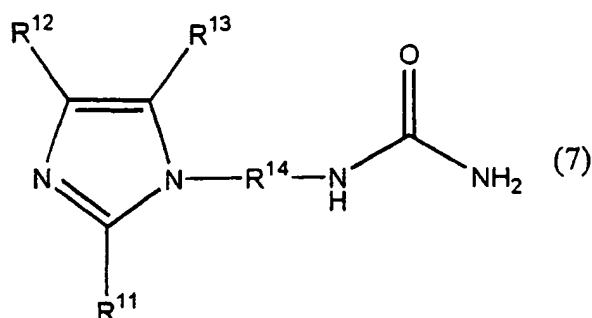
tetramethyldiethylenetriamine, N-(2-hydroxypropyl)-N,N',N'',N''-

tetramethyldiethylenetriamine, N'-(2-hydroxypropyl) -N,N,N'',N''-

tetramethyldiethylenetriamine, N'-(2-hydroxypropyl)-N,N,N'-trimethyl-bis(2-aminoethyl)ether and N'-(2-hydroxyethyl)-N,N,N',N'-trimethyl-bis(2-aminoethyl ether.

21. (Original) The catalyst for production of a polyurethane resin according to Claim 18, wherein the proportion of the amine compound of the formula (5) to the amine compound of the formula (6) is from 1/9 to 9/1 by a weight ratio.

22. (Original) A catalyst for production of a polyurethane resin, which contains an amine compound of the following formula (7):



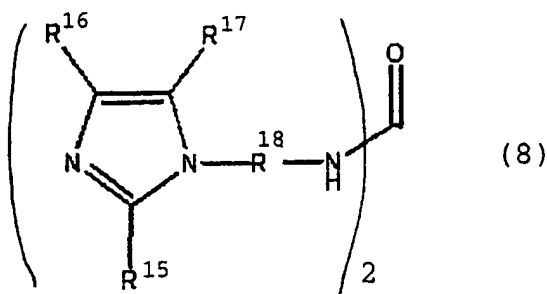
wherein each of R¹¹, R¹² and R¹³ which are independent of one another, is a hydrogen atom or a C₁₋₄ straight chain or branched chain alkyl group, and R¹⁴ is a C₁₋₄ straight chain or branched chain alkylene group.

23. (Original) The catalyst for production of a polyurethane resin according to Claim 22, wherein the amine compound of the formula (7) is an amine compound

wherein R^{11} is a hydrogen atom or a methyl group, each of R^{12} and R^{13} is hydrogen, and R^{14} is a propylene group.

24. (Original) The catalyst for production of a polyurethane resin according to Claim 22, wherein the amine compound of the formula (7) is an amine compound selected from the group consisting of 1-{3'-(imidazoliny)propyl}urea and 1-{3'-(2"-methylimidazoliny)propyl}urea.

25. (Original) The catalyst for production of a polyurethane resin according to Claim 22, which further contains a compound of the following formula (8):



wherein each of R^{15} , R^{16} and R^{17} which are independent of one another, is a hydrogen atom or a C_{1-4} straight chain or branched chain alkyl group, and R^{18} is a C_{1-4} straight chain or branched chain alkylene group.

26. (Original) The catalyst for production of a polyurethane resin according to Claim 25, wherein the compound of the formula (8) is a compound wherein R^{15} is a hydrogen atom or a methyl group, each of R^{16} and R^{17} is hydrogen, and R^{18} is a propylene group.

27. (Original) The catalyst for production of a polyurethane resin according to Claim 25, wherein the amine compound of the formula (8) is an amine compound

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January 15, 2004

selected from the group consisting of 1,3-bis{3'-(imidazoliny)propyl}urea and 1,3-bis{3'-(2"-methylimidazoliny)propyl}urea.